

RCCC Addendum

MT9V024

For more information, refer to the data sheet on Aptina's Web site: www.apgina.com

Introduction

This document describes the new part numbers and spectral characteristics of the MT9V024 image sensor. This document supplements Aptina's MT9V024 data sheet with marketing part numbers and the spectral characteristics specific to the RCCC (red-clear-clear) version. The standard data sheet should be referenced for a complete description of this 1/3-inch Wide-VGA CMOS digital image sensor. The specifications contained in this addendum supersede the specifications listed in the referenced data sheet.

Marketing Part Number

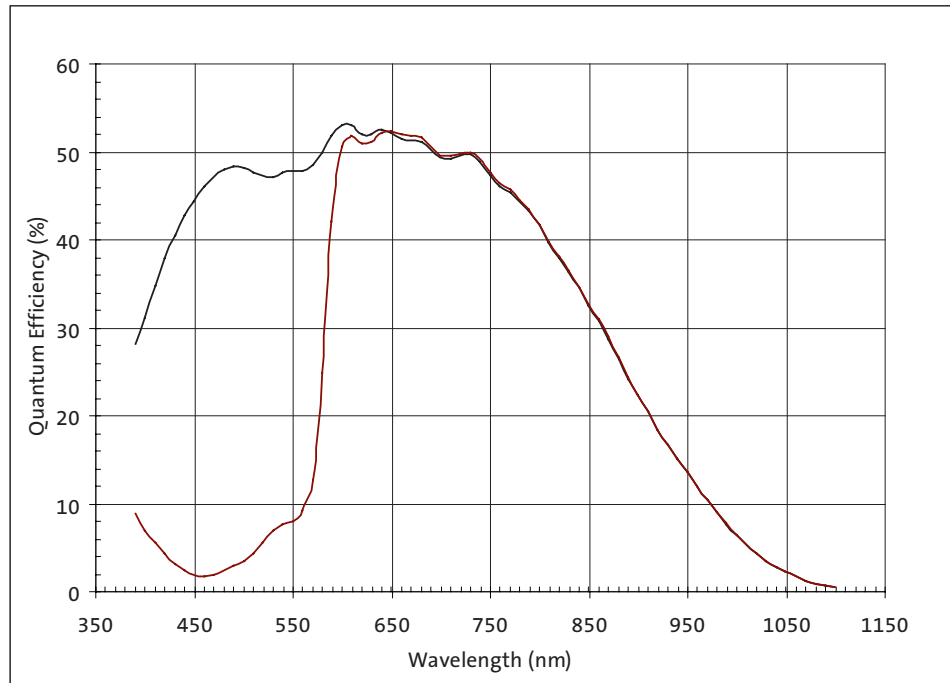
Table 1: Available Part Numbers

Part Number	Description
MT9V024IA7XTR	RCCC Production Version
MT9V024IA7XTRD ES	RCCC Demo Kit
MT9V024IA7XTRH ES	RCCC Demo Headboard

RCCC Spectral Characteristics

Figure 1 on page 2 specifies the quantum efficiency of the sensor core based on wavelength. The curve is based on response in a packaged part.

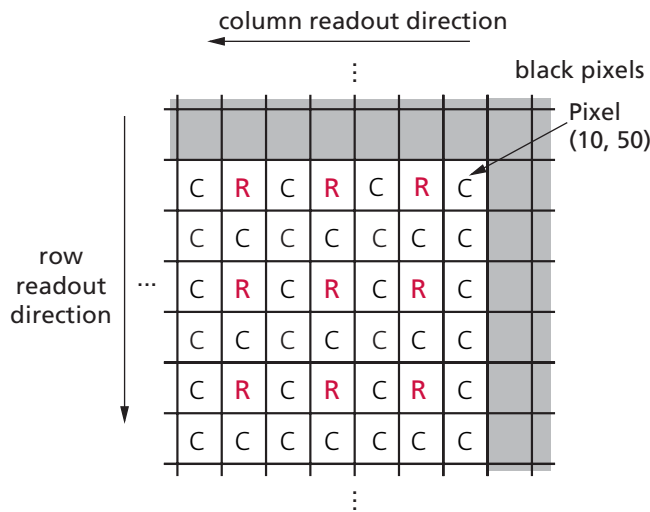
Figure 1: RCCC Quantum Efficiency



RCCC Filter Pattern Configuration

Figure 2 shows how Figure 5 of the data sheet is changed with the usage of the RCCC color filter pattern.

Figure 2: Pixel Color Pattern Detail





Revision History

Rev. C	6/10
• Added “Marketing Part Number” on page 1	
Rev. B	3/10
• Updated to new Aptina template	
Rev. A	9/08
• Initial release	

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This data sheet contains minimum and maximum limits specified over the power supply and temperature range set forth herein. Although considered final, these specifications are subject to change, as further product development and data characterization sometimes occur.